1   26.   A method as recited in claim 21, further comprising:

2   presenting results of the querying in a simple tabular display.

1   27.   A method as recited in claim 7, further comprising:

2   converting location reference data stored by a traditional linear referencing

3   method to an anchor linear referencing method as a collection of anchor sections and

4   intersections that represent the roadways, the converted data for use with the road

5   network comprised of anchor sections integrated with linear data.

1   28.   A transportation information system, comprising:

2   at least one computing device having storage for data and computer code and

3   capable of executing object oriented computer code;

4   a current data repository for storing current transportation network data and

5   linear event data;

6   an historical data repository for storing historical transportation network data

7   and linear event data;

8   a current data query program comprising computer code for querying the

9   current data repository;

10   an historical data query program comprising computer code for querying the

11   historical data repository;

12   a report generator comprising computer code for generating reports using data

13   retrieved during a querying of a data repository;

14   a maintenance process comprising computer code for maintaining data in the

15   historical data repository;

16   an anchor linear referencing system (LRS), the LRS having a collection of

17   anchor sections, intersections, and anchored linear events, an anchor section being a

18   defined data set representative of a linear portion of a transportation pathway, the

19   anchored linear events comprising a set of properties and attributes further defining

20   their qualities and relationships to elements in the transportation network, wherein the

21   data defined by the LRM comprises the network of transportation pathways, and

22   wherein intersections may be interior to an anchor section and defined by an offset

23   from an end of an anchor section.

1   29.   A system as recited in claim 28, wherein at least one anchor section

2   connects two adjacent intersections.

1   30.   A system as recited in claim 28, further comprising an optimized

2   repository for query data, the optimized repository being generated by the

3   maintenance process.

1   31.   A system as recited in claim 28, wherein the computer code is object-

2   oriented.

1   32.   A system as recited in claim 28, wherein attributes and properties are

2   associated with elements in the network and disjointed attributes of an anchor section

3   are enabled.

1   33.   A system as recited in claim 28, where the transportation network is a

2   road network.

1   34.   A system as recited in claim 28, where the transportation

2   network is for waterway shipping lanes.